Geometry honors problem sets

Similar polygons 1

***Tell whether the two polygons are always, sometimes or never similar.***

1. Two equilateral triangles. 2. Two isosceles triangles.

3. Two scalene triangles. 4. Two squares.

5. Two rectangles. 6. Two rhombuses.

7. Two isosceles trapezoids. 8. Two regular hexagons.

9. Two regular polygons. 10. A right triangle and an acute triangle.

11. An isosceles triangle and a scalene triangle. 12. A right triangle and a scalene triangle.

***Two similar polygons are shown. Find the values of x, y and z.***



13. 14.